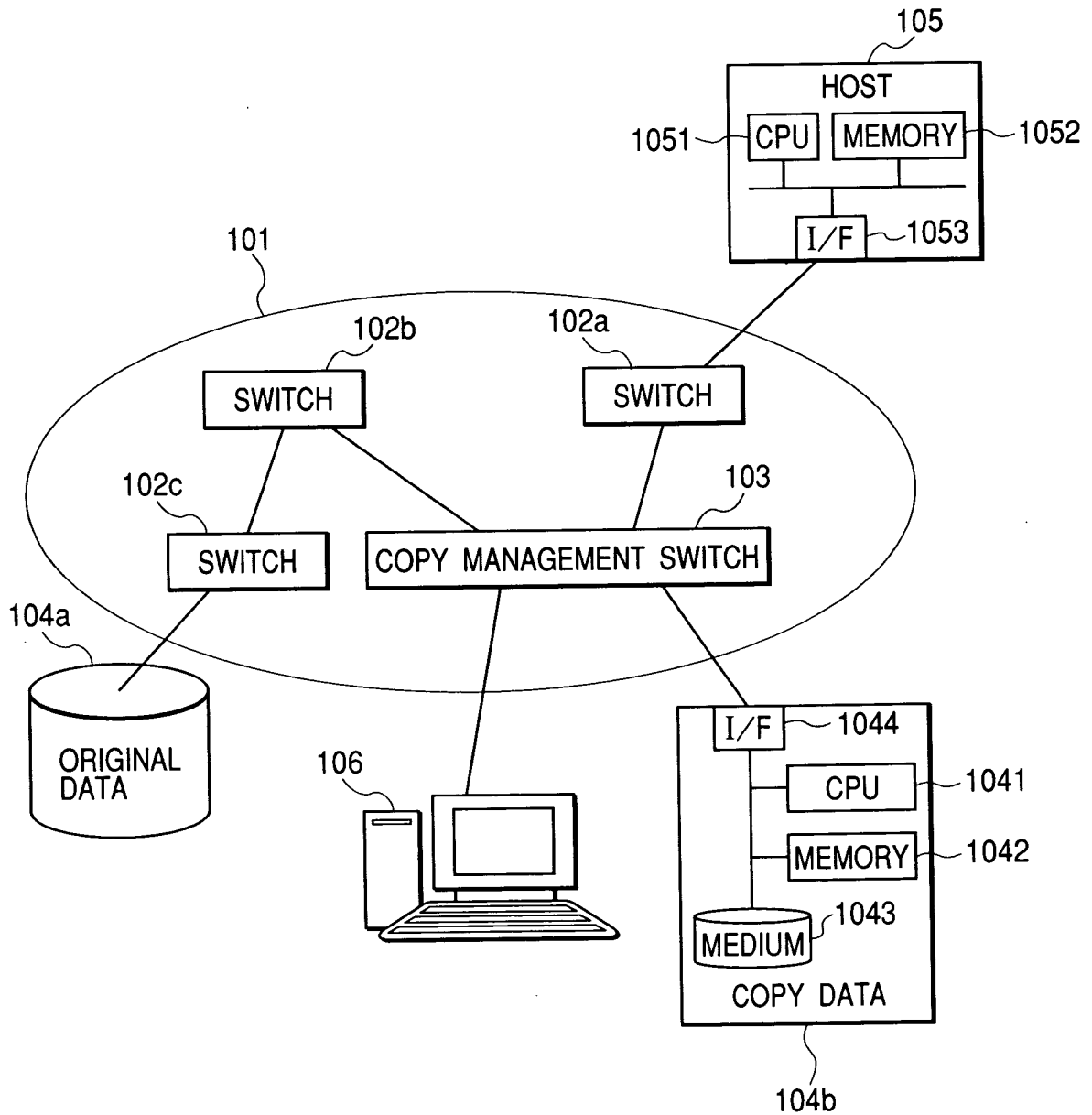


FIG. 1



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Block diagram of a network switch system 103. The system includes a management port 113, four ports 111a, 111b, 111c, and 111d, and a switch processing unit 115. Each port 111a-d is connected to an address translation unit 114a-d. Port 111a is also connected to a CPU 1141 and memory 1142. The switch processing unit 115 is connected to the address translation units 114a, 114b, 114c, and 114d. A controller 112 is connected to the switch processing unit 115 and the address translation units 114a, 114b, and 114c. The controller 112 includes a CPU 1121, memory 1122, and a database 1123.

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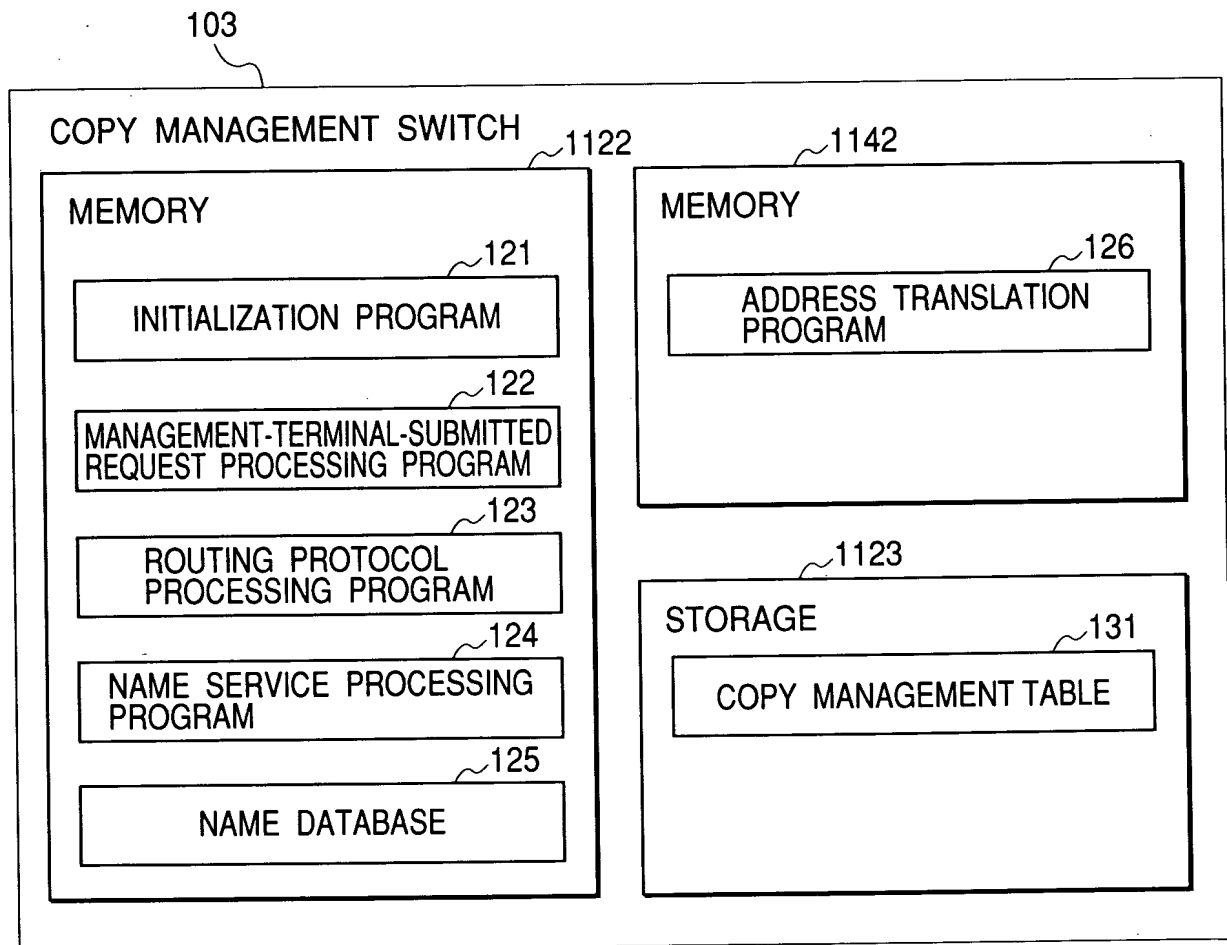
Title: Network System and its Switches

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FIG. 3



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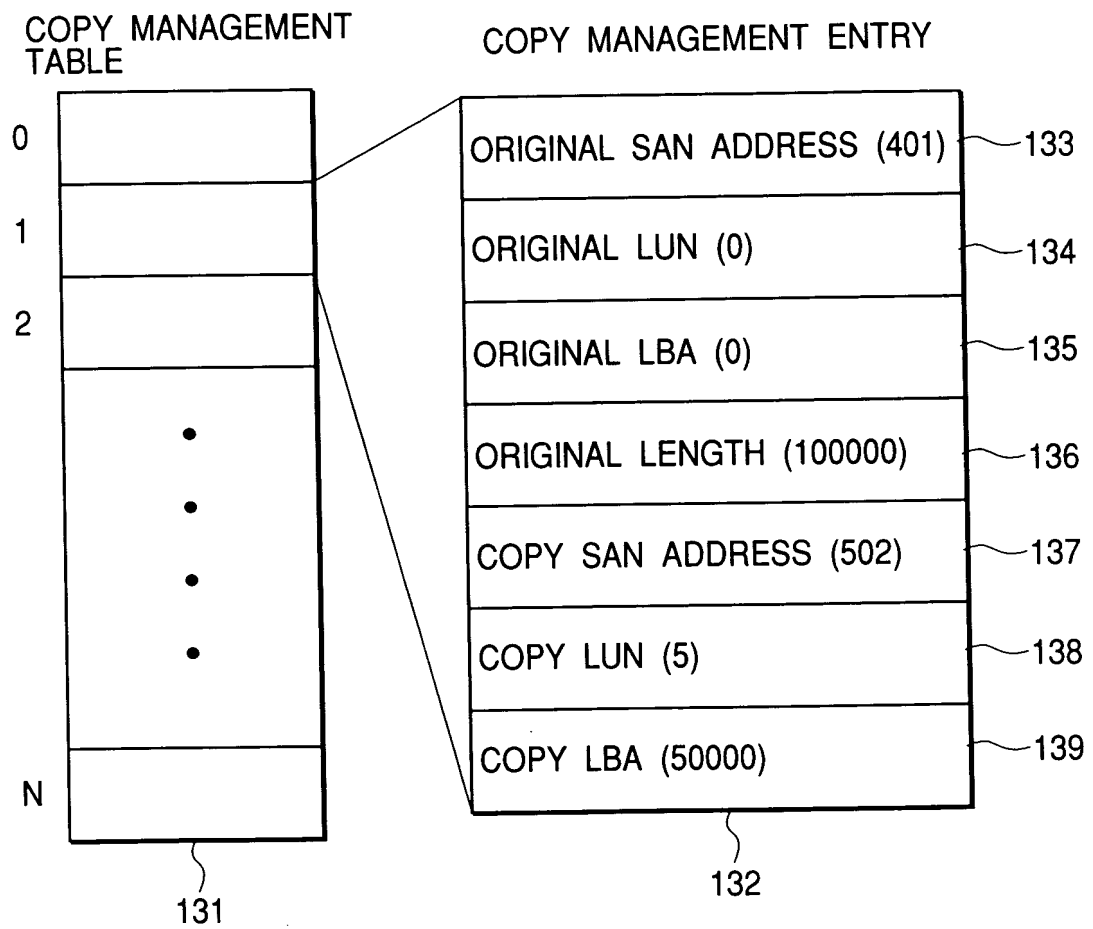
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FIG. 4



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FIG. 5

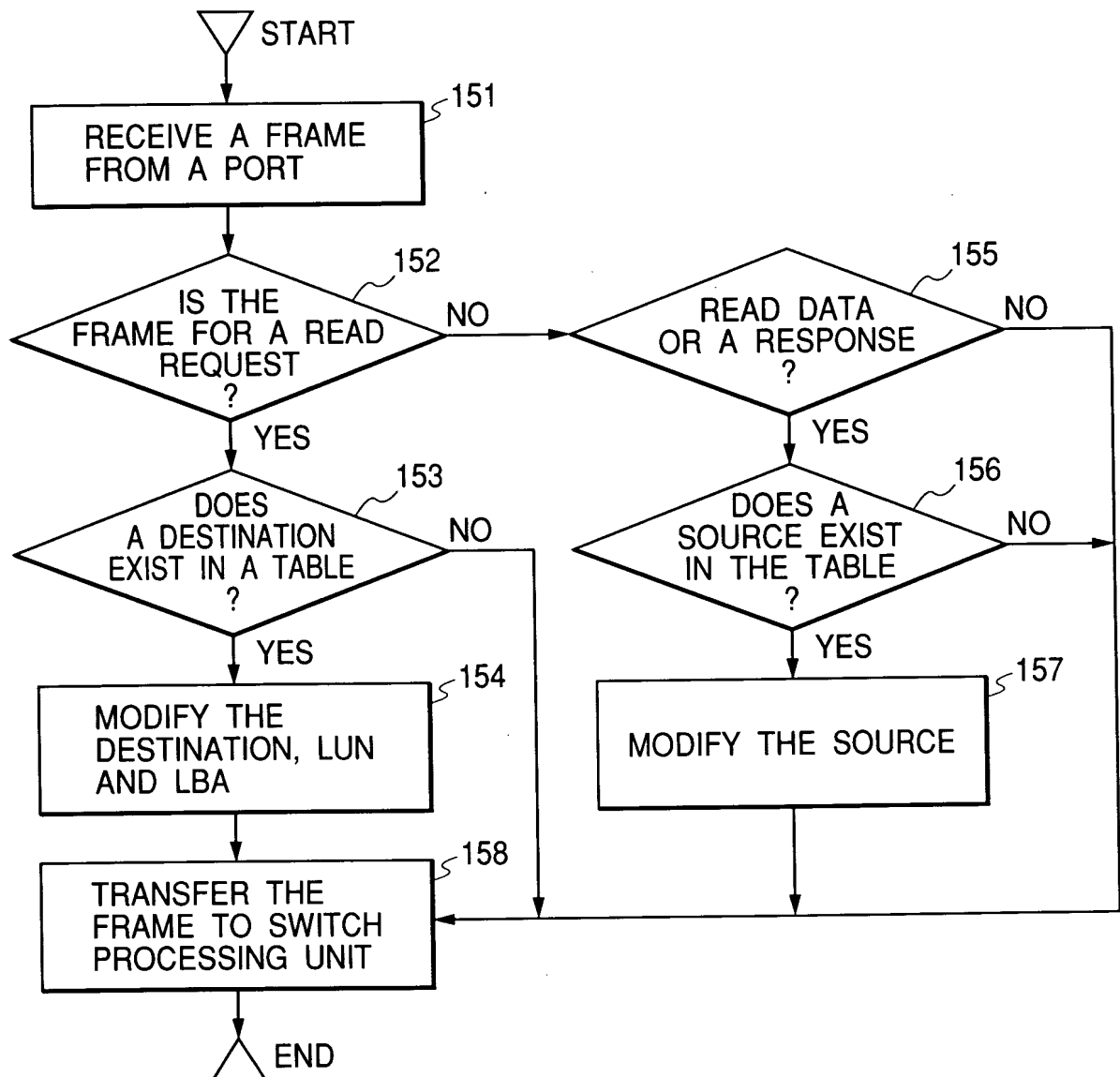
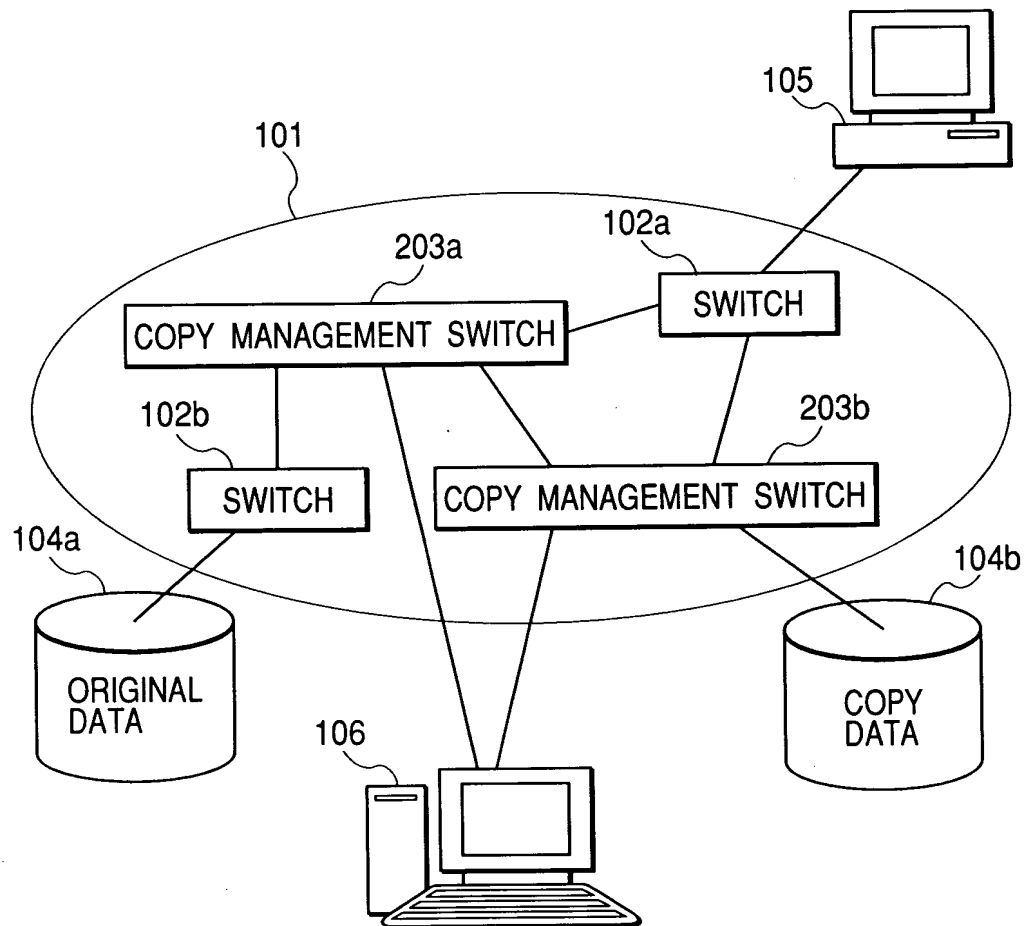


FIG. 6



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FIG. 7

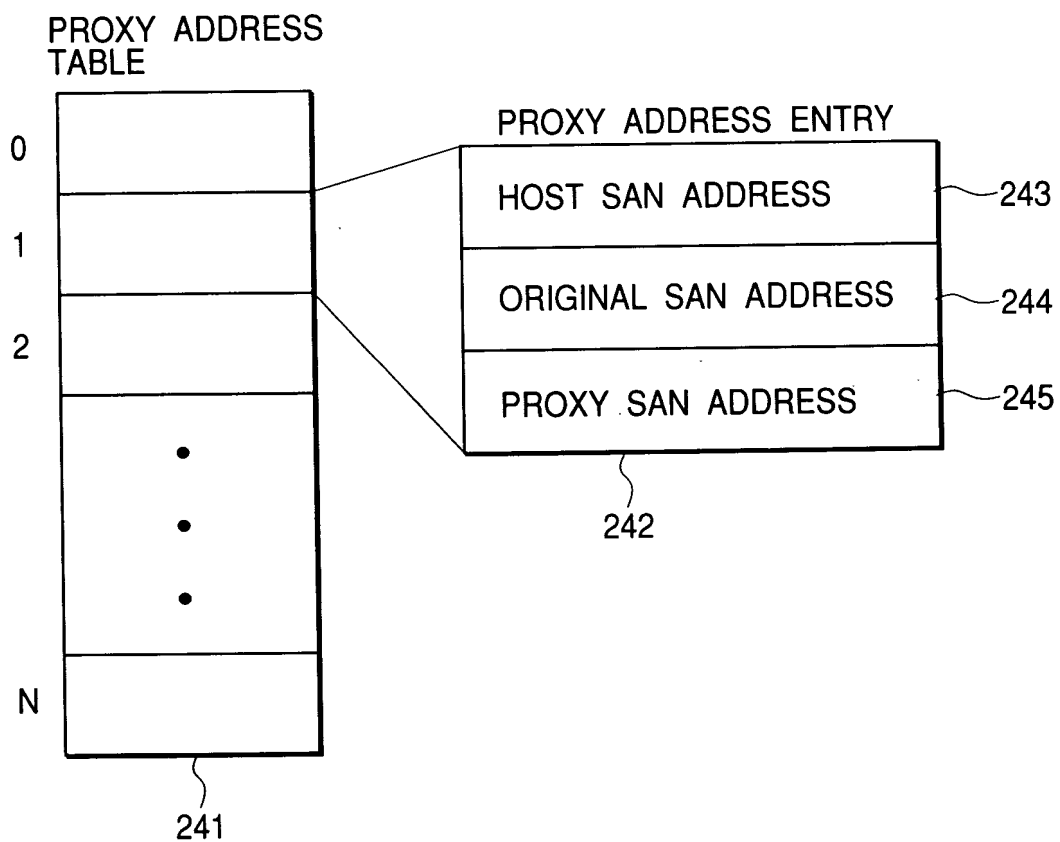


FIG. 8

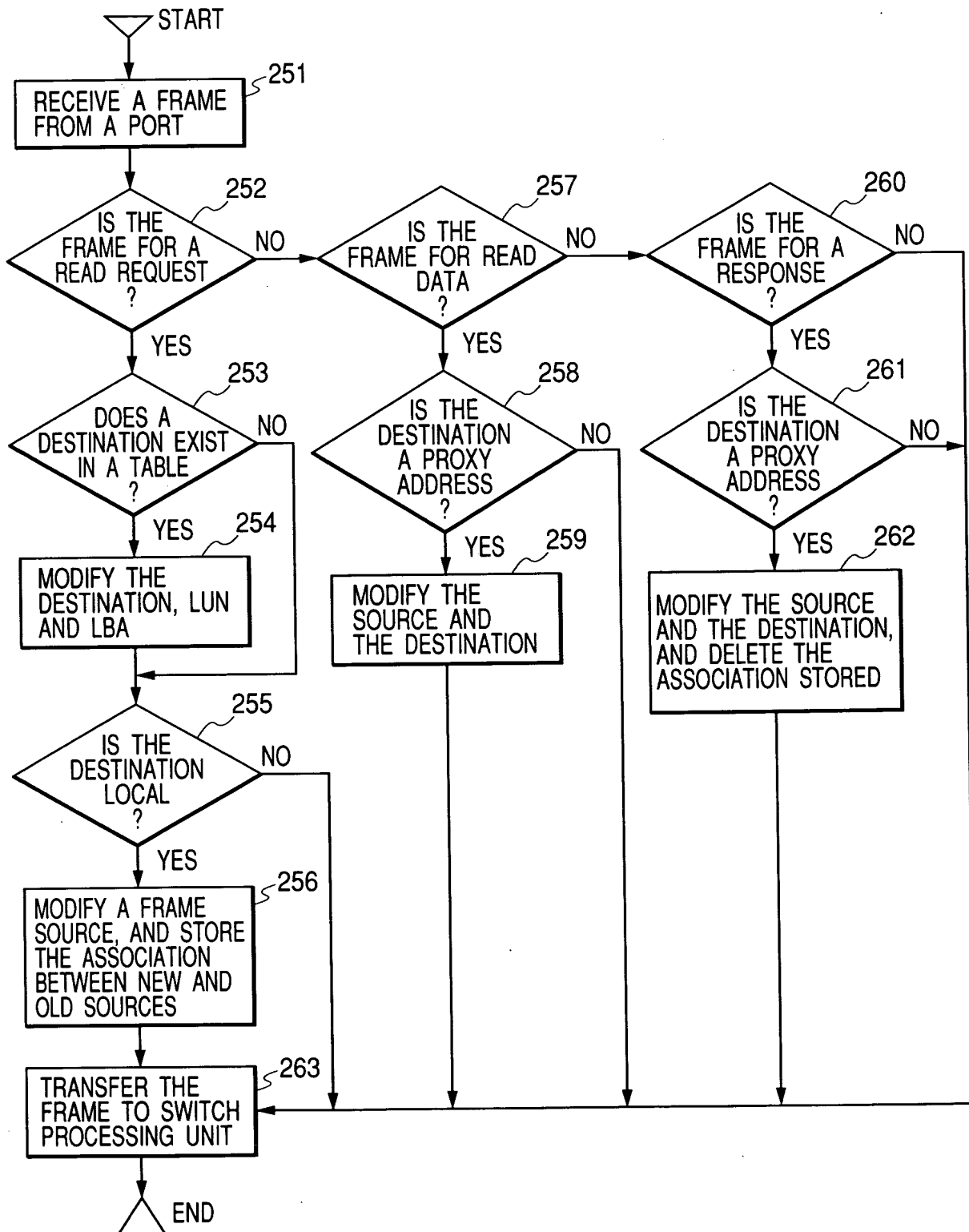
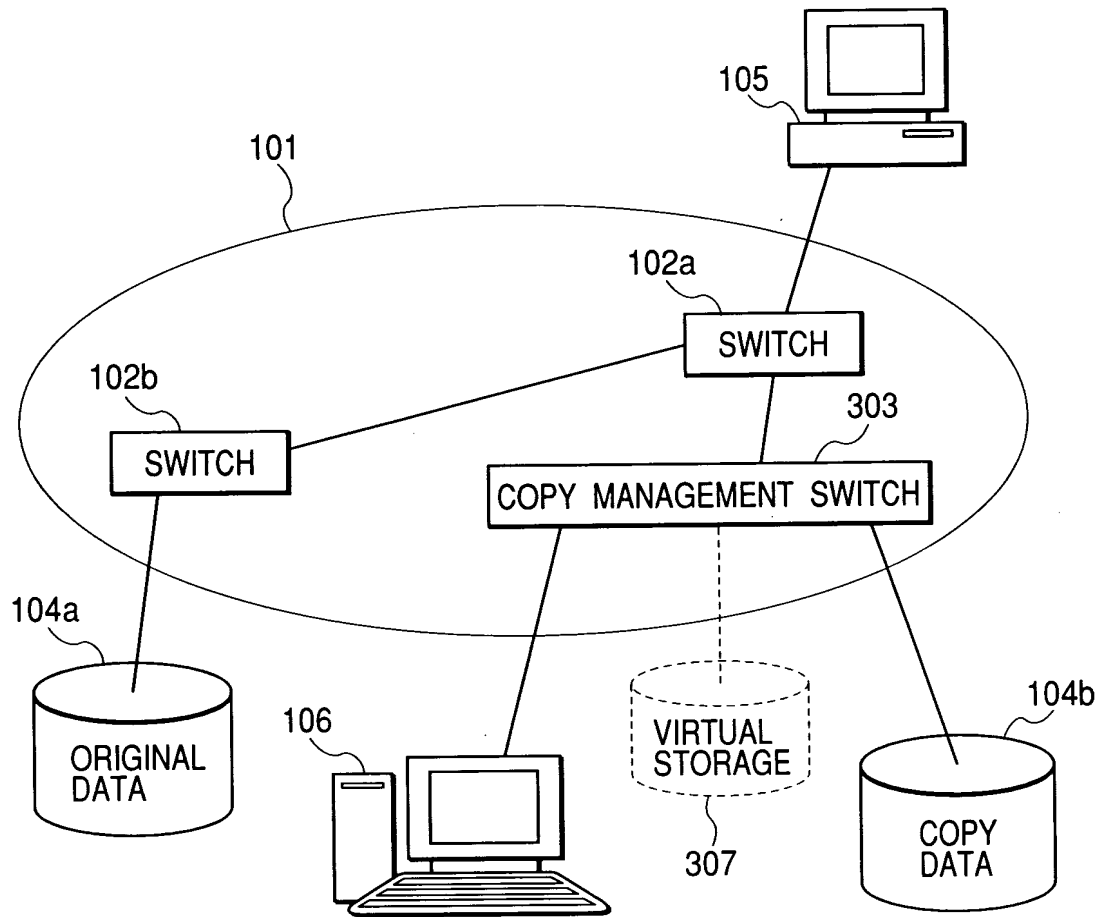


FIG. 9



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FIG. 10

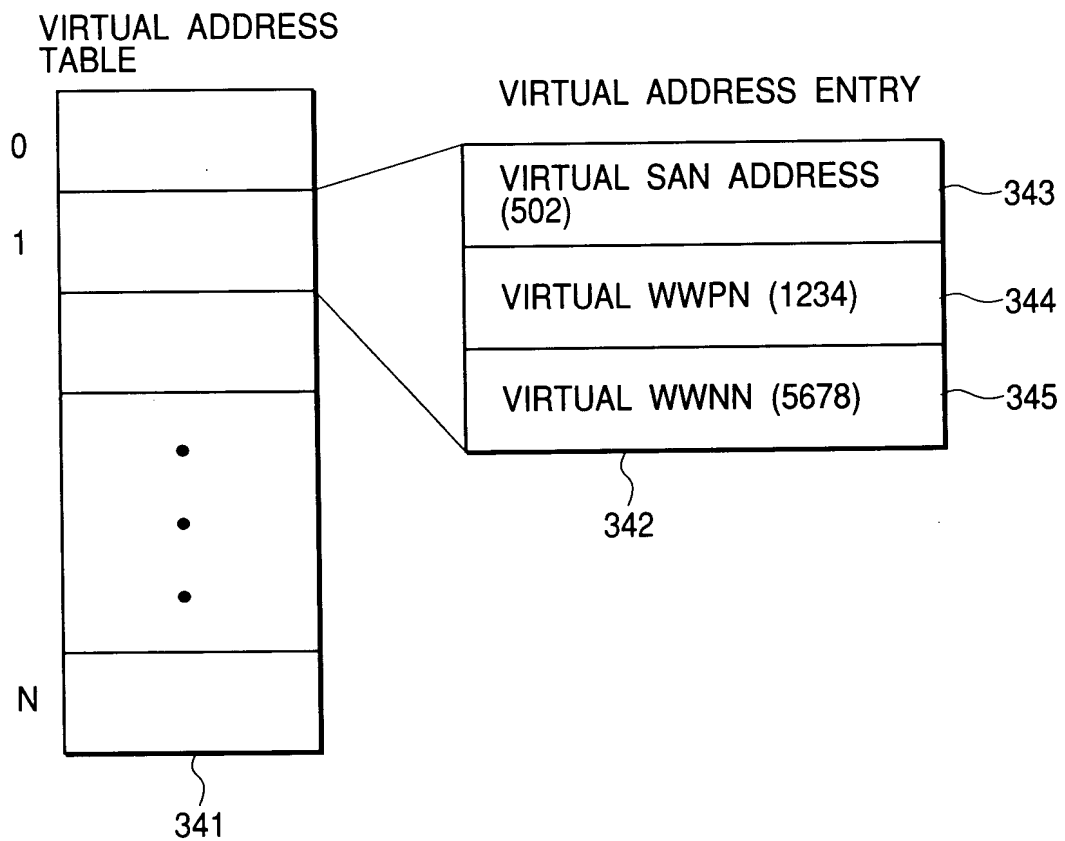
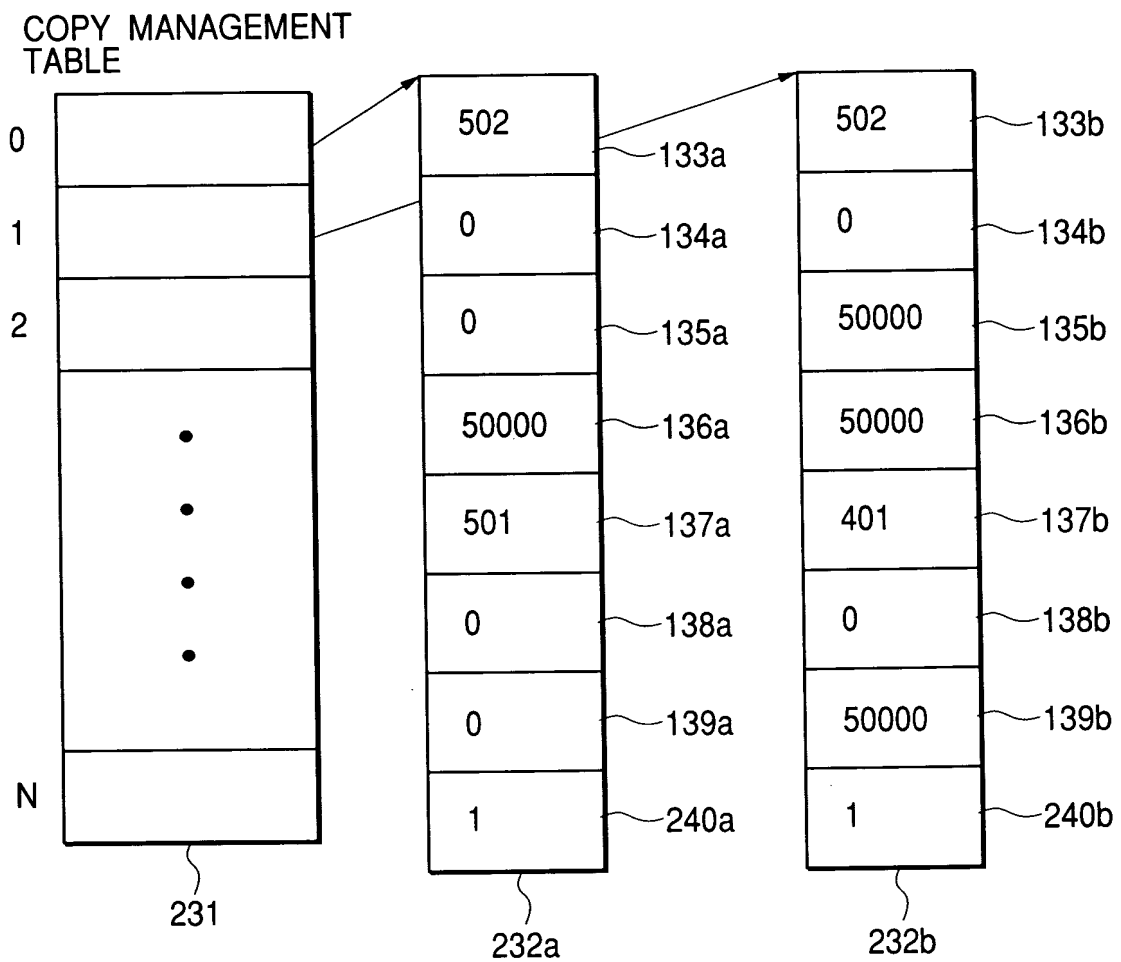


FIG. 11



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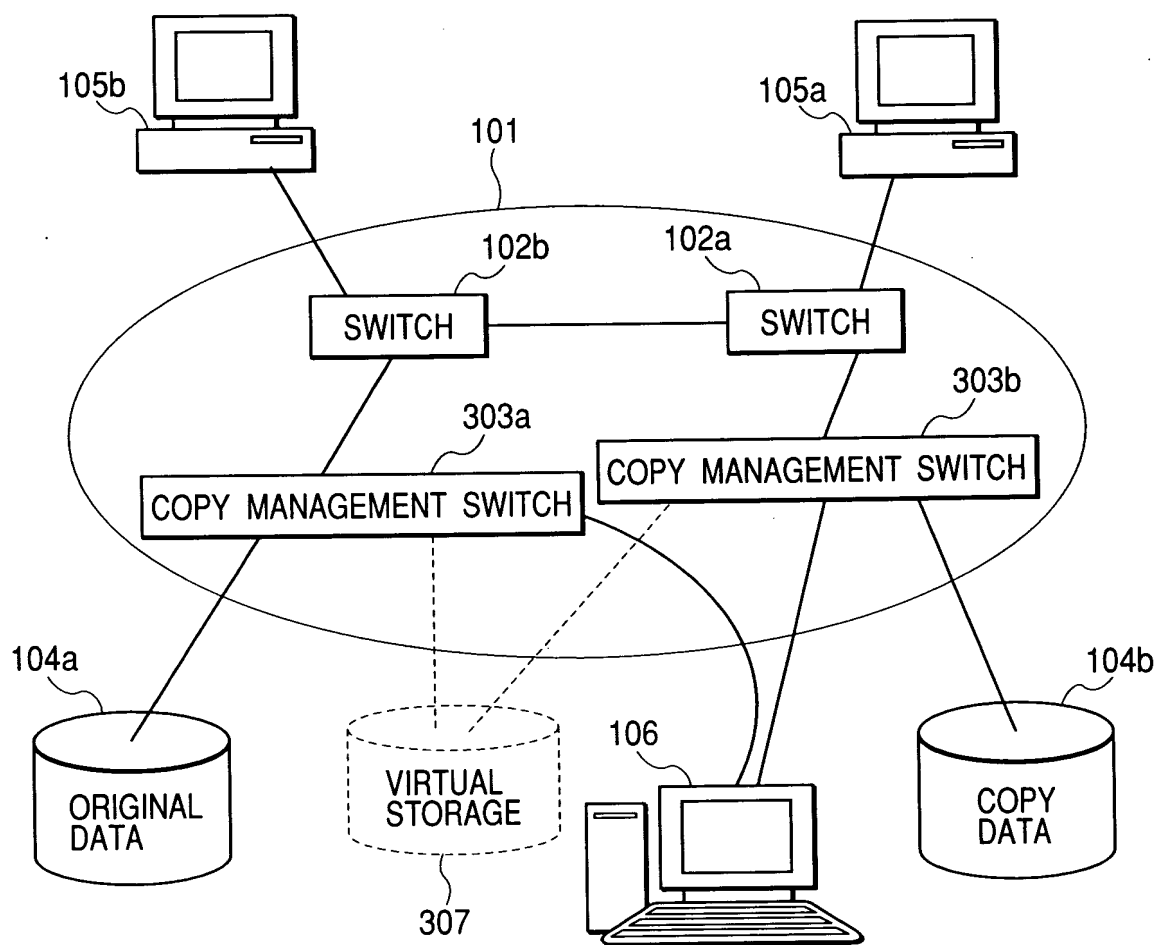
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FIG. 12



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FIG. 13

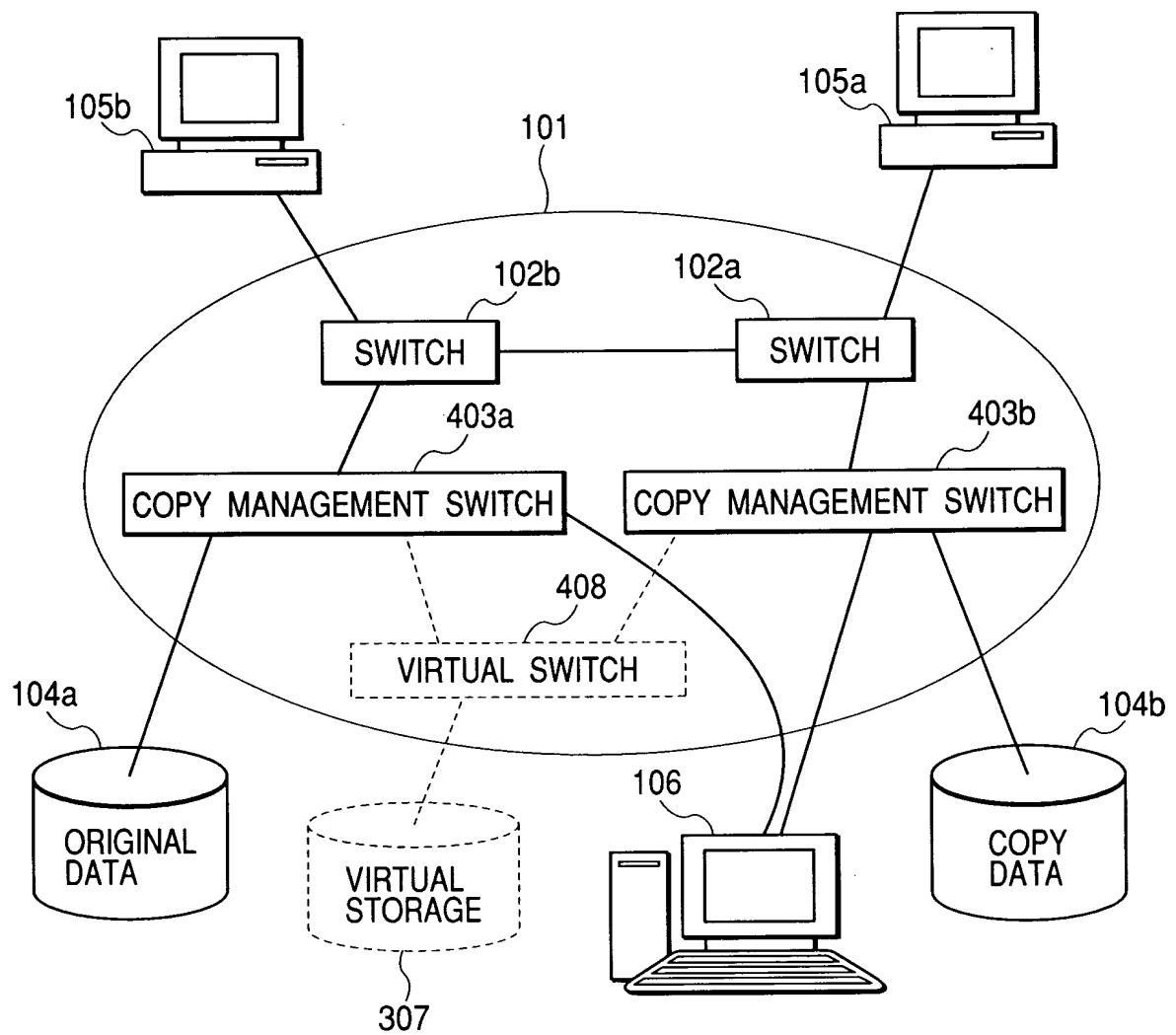
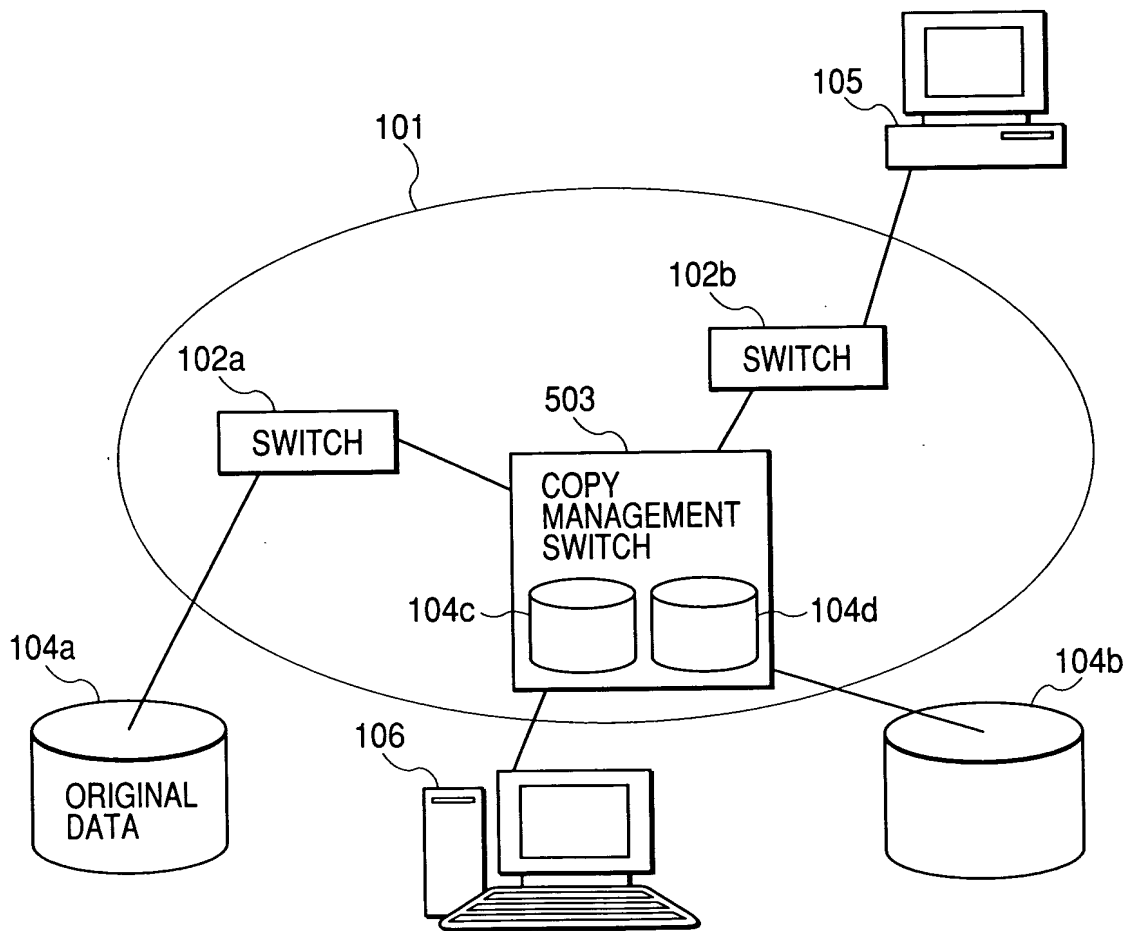


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FIG. 15

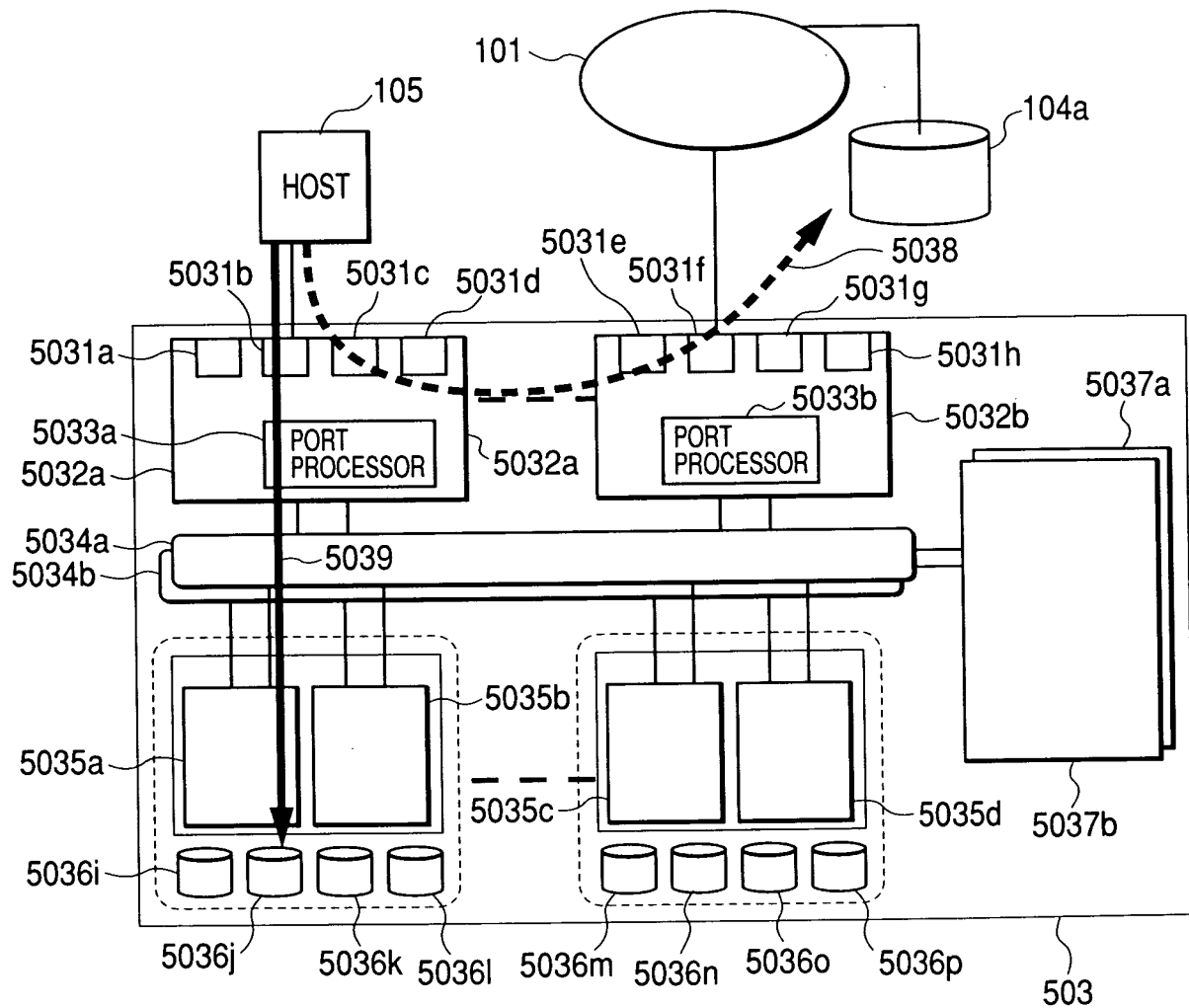
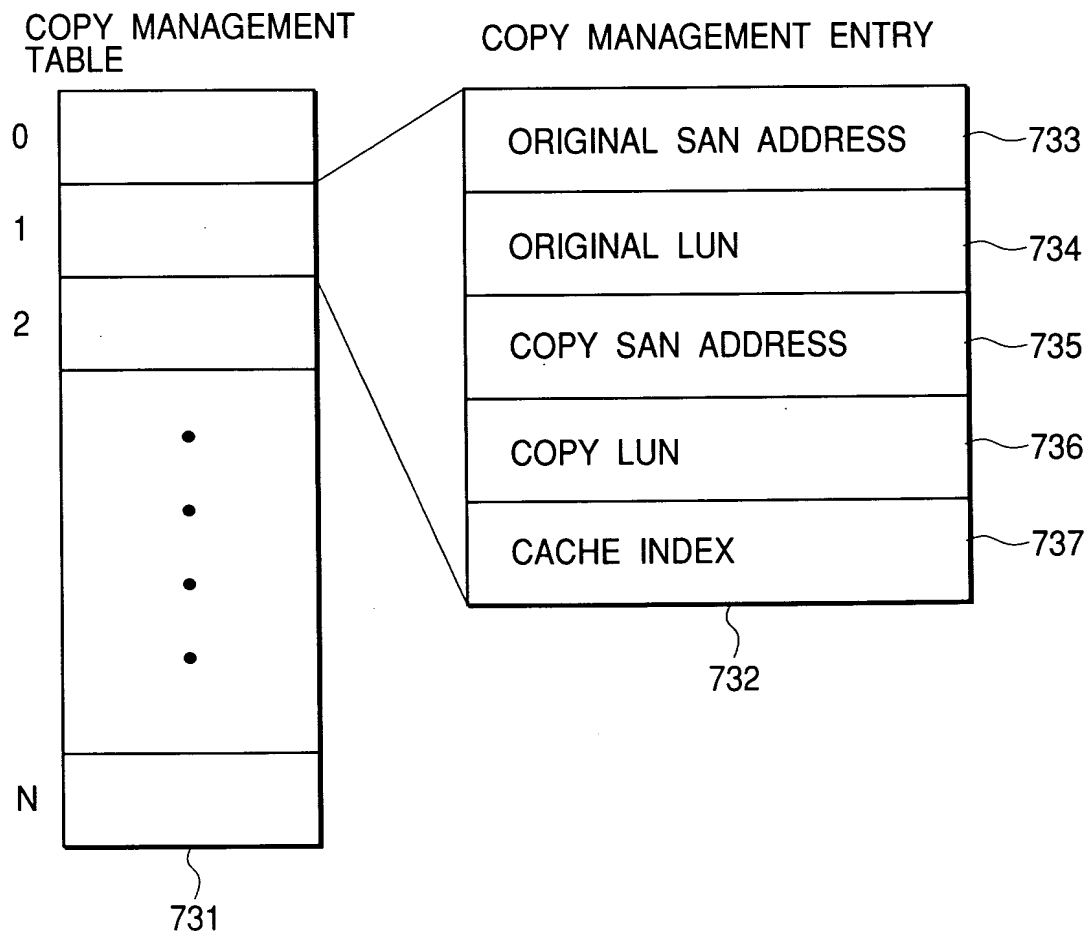


FIG. 16

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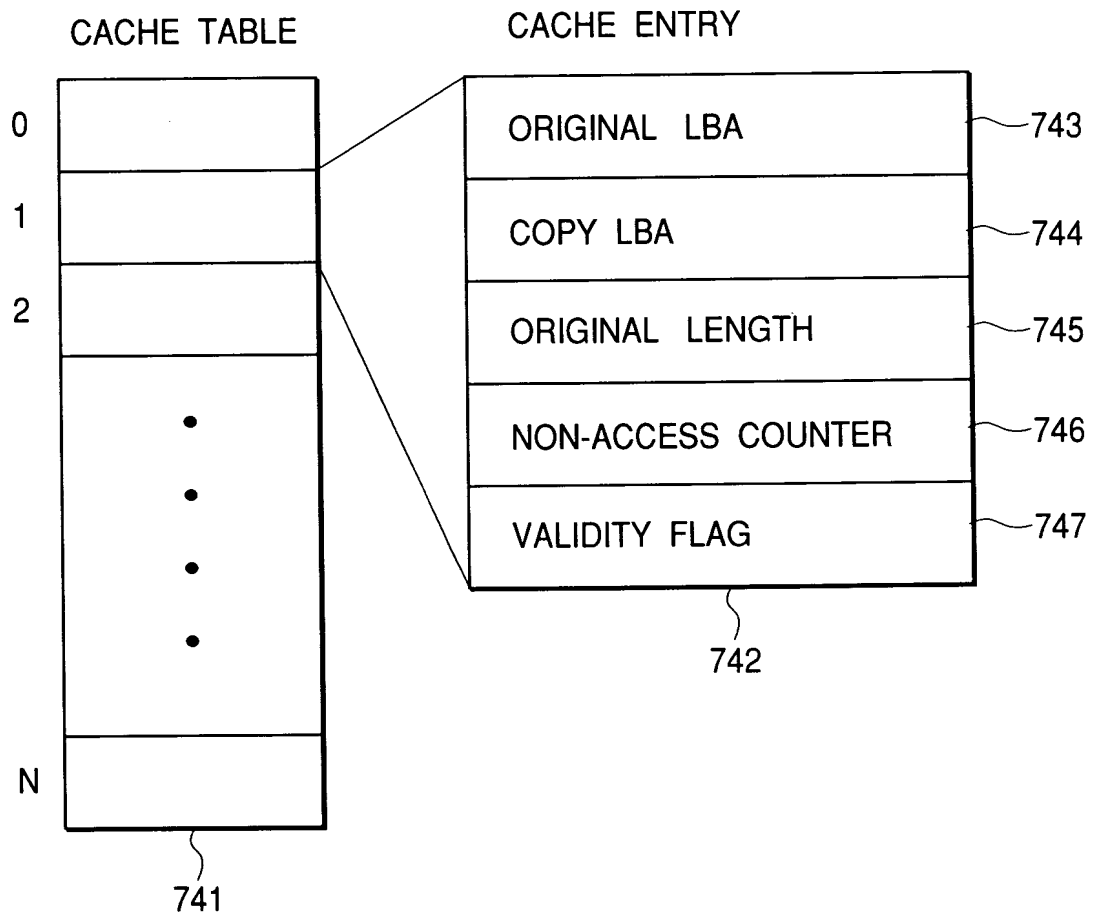
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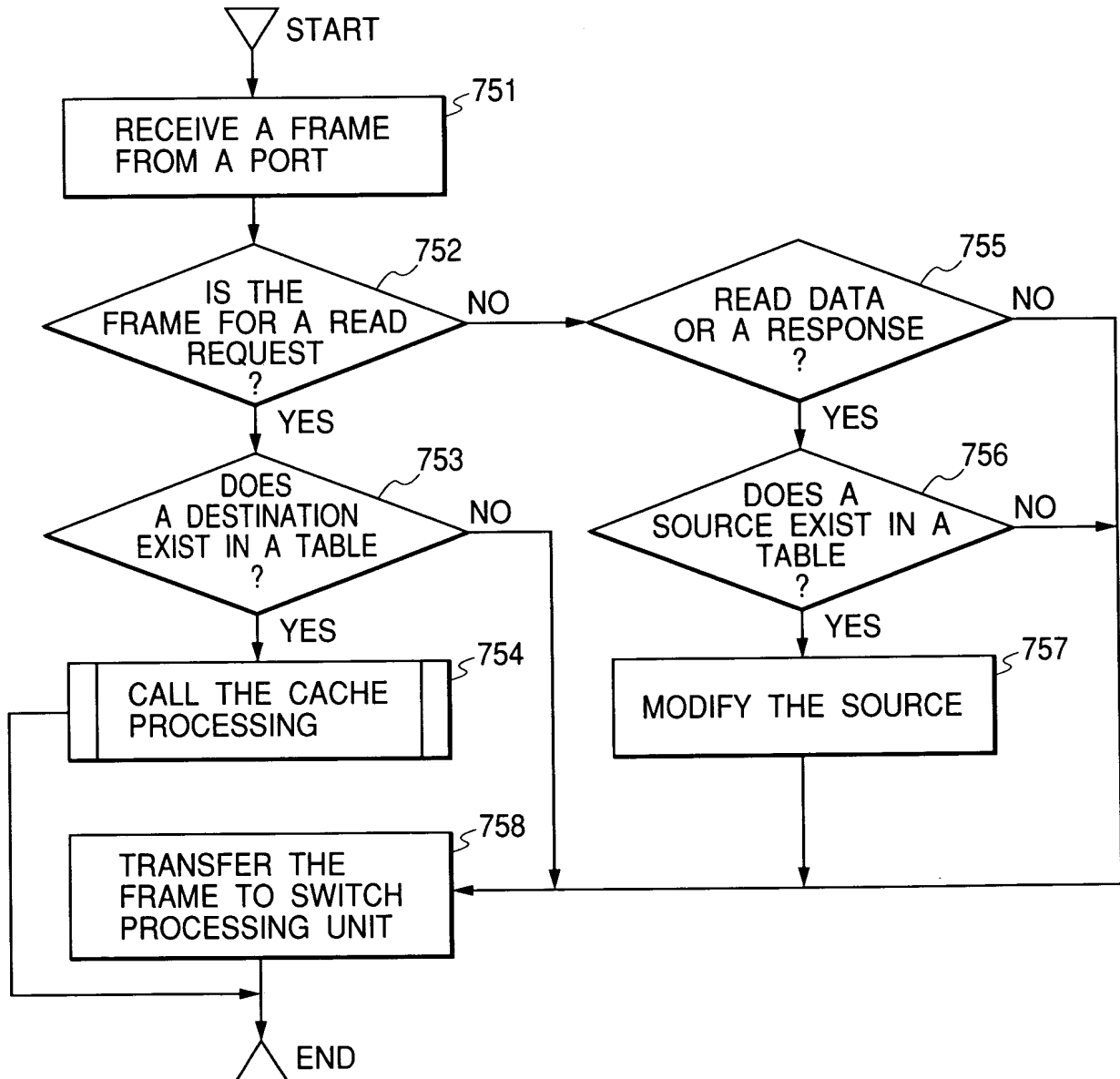
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FIG. 17



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FIG. 18



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FIG. 19

